



ELD Instruction Booklet

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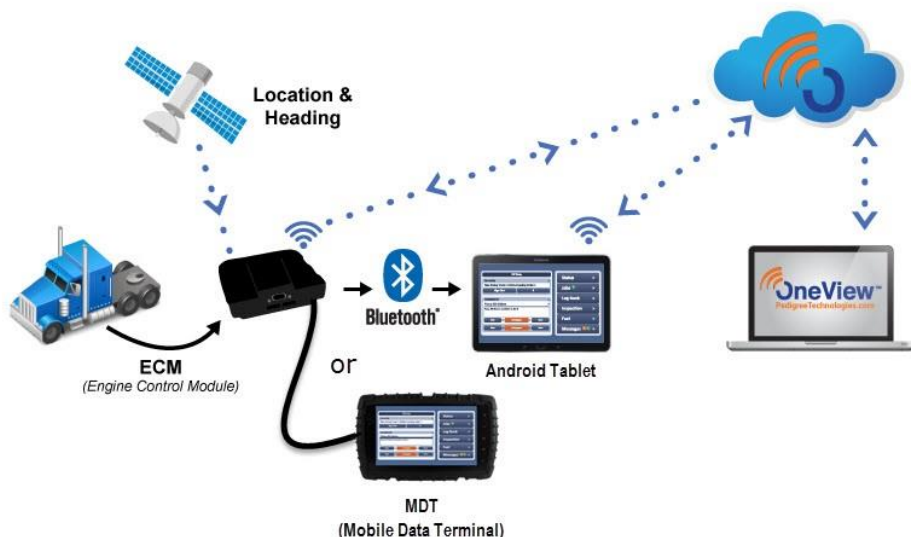
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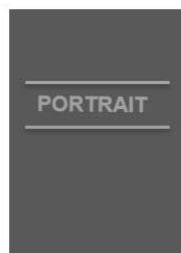
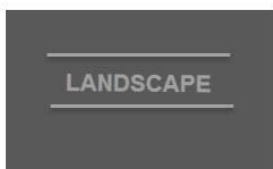
HOW IT WORKS



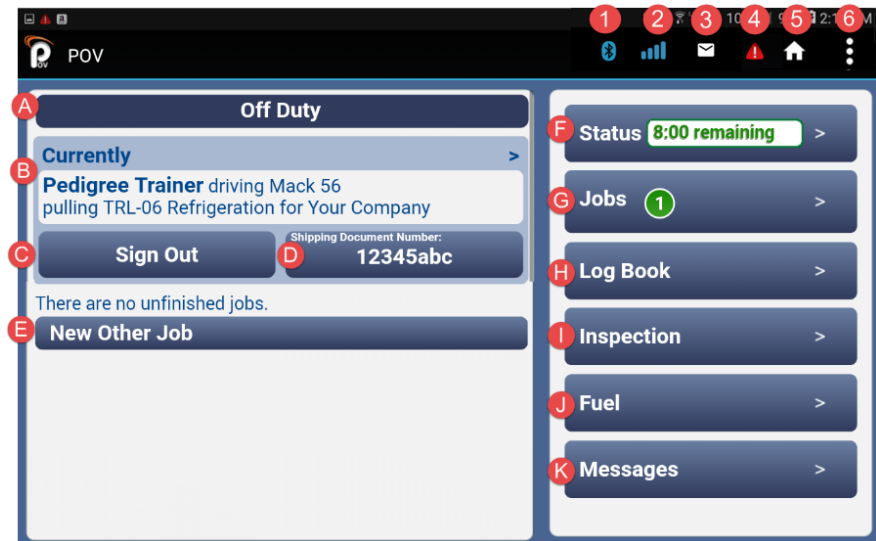
- The telematics black box collects GPS data and ECM data from the vehicle and transmits that data via wired/Bluetooth to the POV application on the mobile device
- Data is shared from the telematics black box and from POV to the Pedigree Technologies OneView platform, the web-based counterpart for office employees
- MDT/Tablet can be removed from cab during roadside inspection for review of log books and vehicle inspection
- Driver and office staff receive HOS notifications, violation alarms, detailed reports and dashboard view of fleet/drivers

PORTRAIT VIEW VS. LANDSCAPE VIEW

The orientation of the POV app on your tablet can be shown in either portrait or landscape view, depending on how you are holding the device. Throughout this booklet, all images will be shown in the landscape view.



HOME SCREEN



- A. **Status Bar:** Tap on this button to change a Duty Status or see hours remaining details.
- B. **Currently:** Name of Driver, Truck, Trailer, and Carrier. Tap to edit.
- C. **Sign Out:** Sign out of POV by tapping on “Sign Out” and then within the pop-up, selecting “Sign out only”, “Certify, Then Sign Out” or “Go Off Duty, Certify, Then Sign Out.”
- D. **Shipping Document Number:** Tap here to enter a Shipping Document Number/Bill of Lading.
- E. **Jobs Queue:** Displays current jobs or tap New Other Job to self-dispatch
- F. **Status:** Displays how many hours remaining. Tap to edit status options.
- G. **Jobs:** Click to see list of job in queue
- H. **Log Book:** Tap here to get to the driver Log Book.
- I. **Inspections:** Click on this button to do pre-trip and post-trip inspections.
- J. **Fuel:** Track fuel purchases in POV using this button.
- K. **Messages:** Tap on the Messages button to send and receive messages between OneView and POV. A circle will indicate the number of new messages the driver has on the tablet.
1. **Bluetooth:** Shows Bluetooth connection established.
2. **Network Connectivity:** Shows data connection status and records sync
3. **Message:** You have unread messages.
4. **Notification Icon:** settings, functionality and ELD malfunction notifications
5. **Home:** Tap to go directly to your home screen.
6. **POV Menu:** Help, Shutdown, add a team driver, Enforcement View, tech support phone number or email logs.

START OF THE DAY

LOGIN

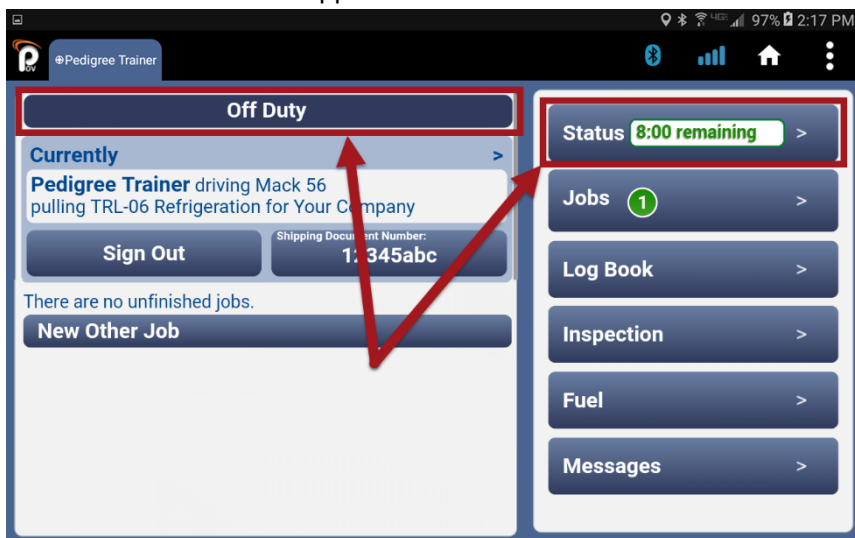
1. Enter your Username and Password.

NOTE: Select *Remember Me* for your device to remember your username. You must always enter your password.

2. Select **Carrier**
3. Select the **Tractor** you will be driving
4. Select the **Trailer** you will be pulling, if necessary
5. Select Duty **Status**, sign in as “Off Duty” (This will ensure you are not logging in when you do not have hours available)

NOTE: Once you see the screen below, and have selected all the items from steps 1-5, you are completely logged into POV.

6. You’ll see a warning message to certify your log if you have uncertified days.
7. Manually switch yourself to “On Duty, Not Driving”. You can do this by selecting the Status Tab in the upper right corner or by clicking on your current status in the upper left corner.



NOTE: Please see page 8 if you need help with how to change statuses.

AUTOMATIC STATUS CHANGE

*** When properly connected to the vehicle, POV will change your status to “Driving” when the vehicle reaches 5mph. When the vehicle has stopped moving, after 5 minutes a prompt will ask if you want to move to a different status. If there is no response after 1 minute, it will automatically move you to “On Duty, Not Driving” ***

CHECK CONNECTIONS



Be aware of any failed connection notifications in the upper right-hand corner of the tablet which indicate that your tablet and your vehicle do not have an established connection.

Please check for the following:

Bluetooth Connected Device	MDT (Wired) Device
Check if Bluetooth is enabled	Check if device is secure in cradle
Check if the correct tractor is selected	Check if the correct tractor is selected
Check if the vehicle ignition is on	Check if the vehicle ignition is on

NOTE: For more information, please continue to the Bluetooth/Established Connection section near the end of this book.

INSPECTION

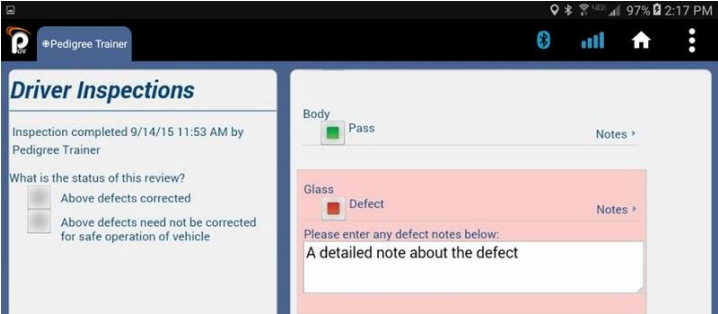
1. Tap on Inspection from the home screen.

2. Next, select the Last Inspection button

3. Review the Last Inspection for defects. If there are any defects ensure all have been fixed or will not affect safe operation of the vehicle. Then, choose one of the following: “Above defects need not be corrected for safe operation of vehicle” or “Above defects corrected”.
- Inspection

Last Inspection
1 defect

NOTE: Do not drive the vehicle if defects which lead to unsafe operation of the vehicle have not been fixed first.



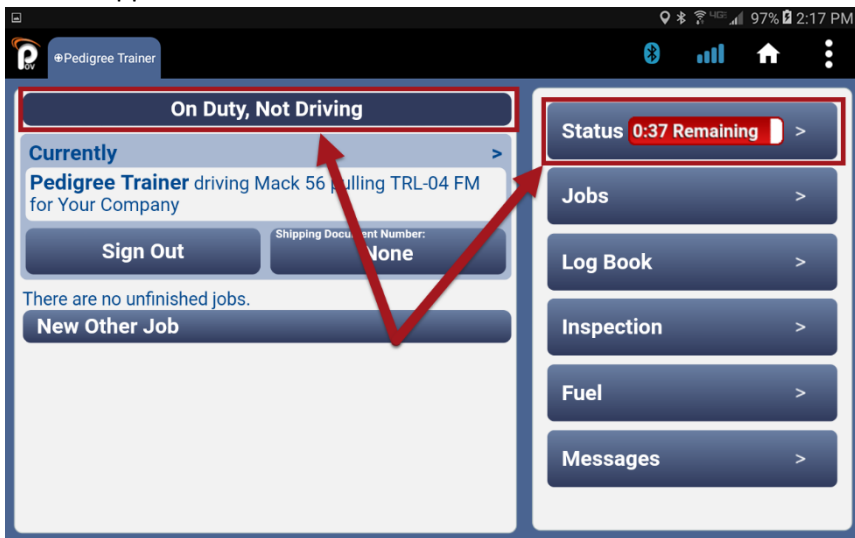
4. Tap on
- Sign & Submit...

NOTE: Once Sign & Submit is selected, it can take a few moments for it to send the information.



END OF THE DAY

STATUS CHANGE

1. Start by manually switching yourself to “On Duty, Not Driving” (if it hasn’t already automatically been changed). You can do this by selecting the Status Tab in the upper right corner or by clicking on your current status in the upper left corner.



INSPECTION

1. Tap on 
2. Select 
3. Go through each item within the inspection marking as Pass or Defect, and if there is a defect be sure to include very detailed notes. *(notes can be added to passed items also)*



4. Then, tap

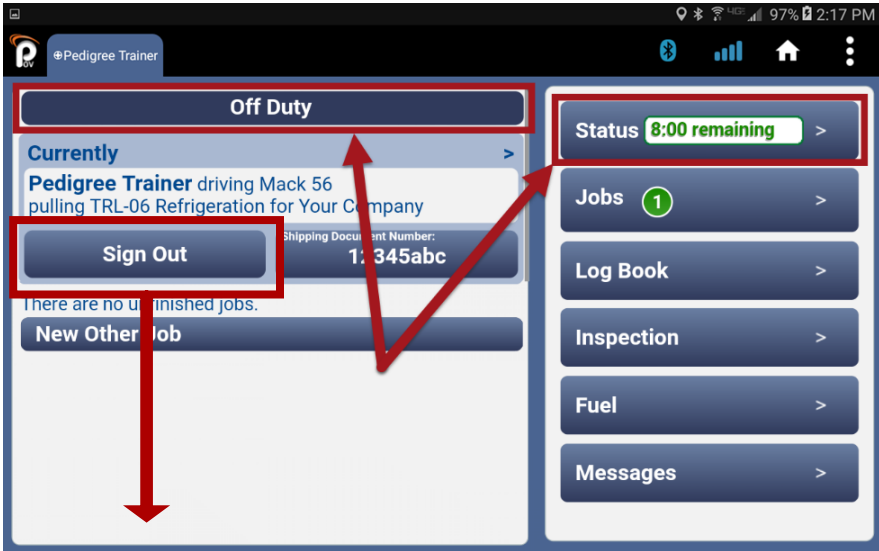
Sign & Submit...

NOTE: Once Sign & Submit is selected, it can take a few moments for it to send the information.

LOGGING OFF

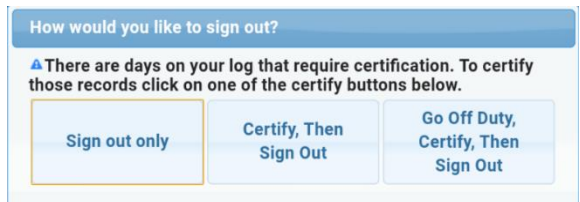
At the end of your shift you will change your status to either off duty or sleeper berth and then sign out of POV.

1. Manually switch yourself to “Off Duty” or “Sleeper Berth” by selecting the Status Tab in the upper right corner or by clicking on your current status in the upper left corner. **Verify the status changed on the Log Book page.**



2. Sign out from the home screen by tapping on the Sign Out button where you have three options:

Sign Out Only – will sign you out of POV in your current status. *Use this option when you’re tracking non-driving hours and/or on a shared tablet or switching trucks in the middle of a shift.*

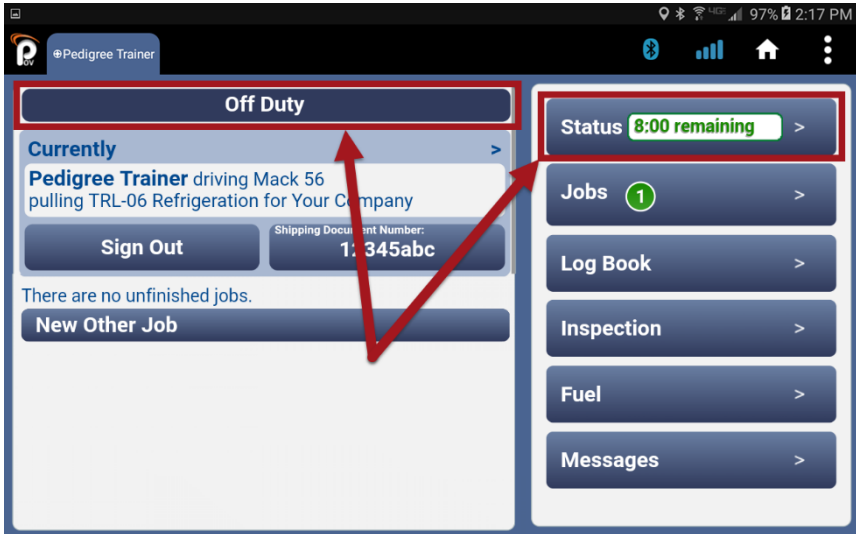


Certify, Then Sign Out – will take you to your log book where you can certify your log, then sign out in your current status, *like Sleeper Berth.*

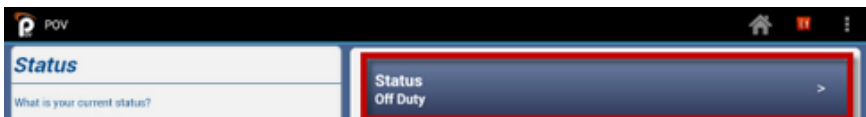
Go Off Duty, Certify, Then Sign Out – will put your status into Off Duty, take you to your log book page where you can certify the day’s log, then sign out.

STATUS CHANGE

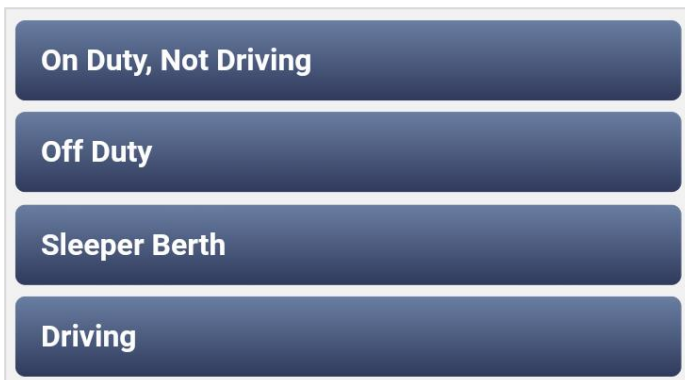
1. Click on your current Duty Status in the upper left corner or select "Status" in the upper right corner to change your Duty Status.



NOTE: If you select 'Status' in the upper right corner of POV you will need to select the 'Status' button again on the next page to change your current Duty Status.



2. Tap on the appropriate Duty Status. The following options are available dependent upon your particular driving rules:

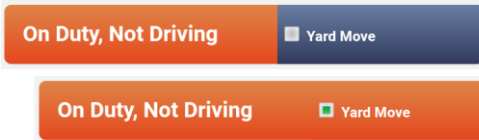


SPECIAL DRIVING STATUS

These options depend on the carrier setup. You may or may not see them on your tablet.

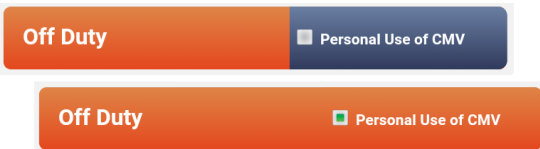
Yard Move** allows your truck to move without using your drive time hours and only counting against your On Duty, Not Driving time.

1. Tap “On Duty, Not Driving”
2. Tap the check box for Yard Move (uncheck to resume normal function)
3. Enter a reason and tap OK



Personal Use of CMV** allows your truck to move without using On Duty or Driving hours. A driver can record periods when using a vehicle for authorized personal use. This may include the time traveling between a driver’s home and terminal (or normal work reporting location), and traveling short distances (from terminals or motels) to restaurants. These periods of personal use may be considered off-duty time.

1. Personal Use of CMV – Tap “Off Duty”
2. Tap the check box for Personal Use of CMV (uncheck to resume normal function)
3. Enter a reason and click OK

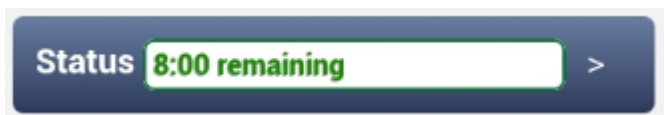


When driving in a special status, **the tablet will not automatically change to any other status.** You will have to manually change out of a special status to resume normal function of POV.

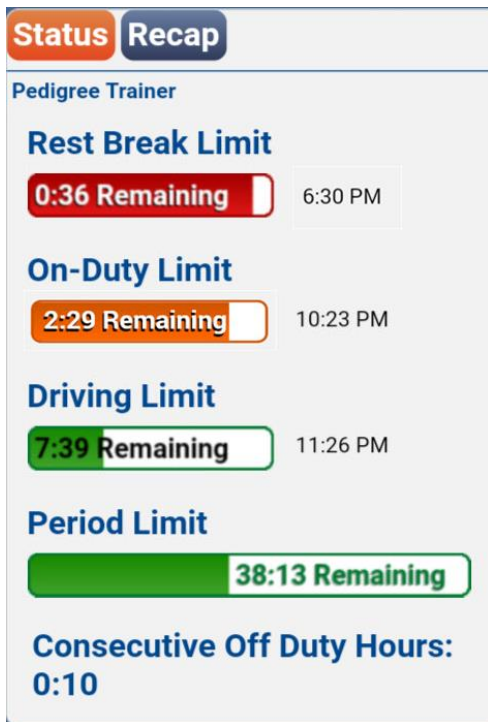


****For questions about using Yard Move or Personal Use of CMV and staying in compliance with FMCSA rules and regulations, contact your company’s DOT compliance personnel.**

HOURS REMAINING



NOTE: The Status section in the upper right corner of the main screen, will always display the amount of driving hours the driver has remaining to stay compliant.



When the Status tab is clicked, all of the remaining hours will display. It will show how many remaining hours left for the day in your Driving limit and On-Duty limit, as well as time remaining for the period.

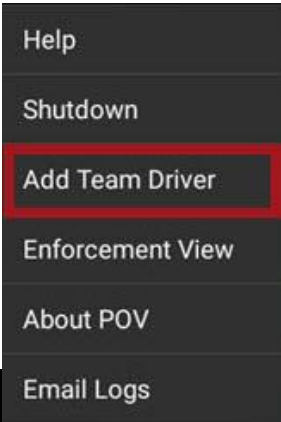
The time next to each limit shows approximately when you will reach that limit.

Limits will turn orange within 30% of completion and red within 10% of completion. They will stay red with 0 time left.

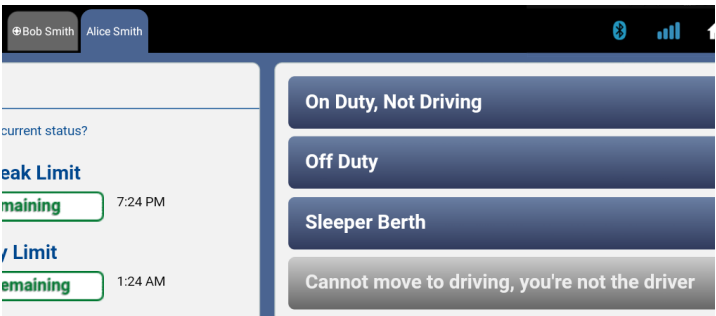
Consecutive off duty hours will show you how long you've been off duty. This helps with keeping track of your required reset time(s).

TEAM DRIVING

1. Driver log in as usual.
2. Driver select POV Menu
3. Select **Add Team Driver**
4. **Team Driver** will log in with username and password then select OK

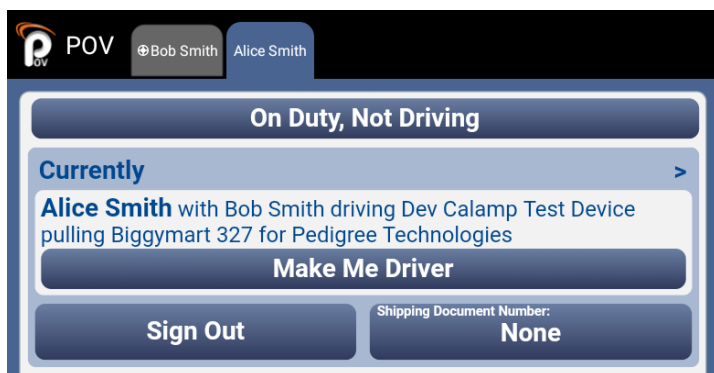


5. The team driver will select a non-driving status upon login.

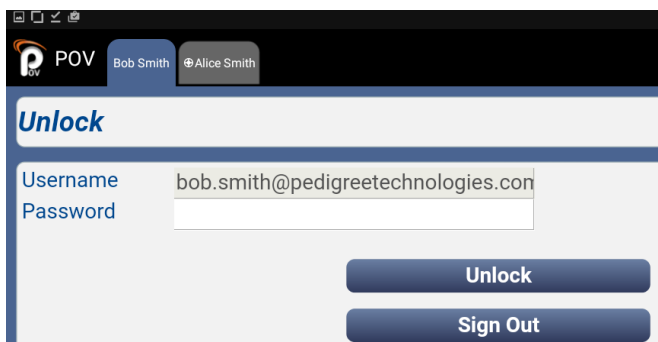


6. You will see team name tabs across the top. The driver will have a steering wheel icon next to their name. Up to 3 other team drivers can be added.

7. A team driver can become the driver by tapping on the Make Me Driver button on their home screen.



8. To switch between team members, tap on your name tab.
9. Enter your password and tap Unlock. Now you will see your driving account.



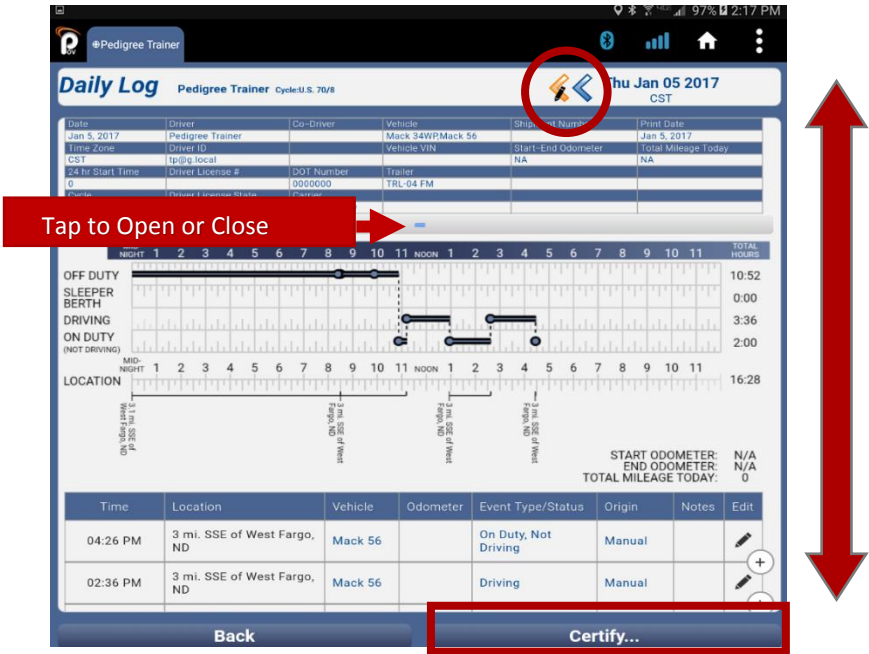
****NOTE**** Use the Sign Out button to remove a team driver from this team driving occurrence. It does not sign you out as off duty or certify logs. Go through the normal sign out process at the end of your shift.

LOG BOOKS

1. Select the Log Book option from the Right side of the screen.



- 2. The Log Book will pop up and show the current day’s logs.
- 3. Open the accordion menu to view log details.
- 4. If a previous day’s log also needs to be reviewed, orange arrows in the upper right corner by the date indicate which way to scroll to an uncertified log. Past uncertified days include an orange certify button.
- 5. Scroll down to reveal a detail table below the log graph.




Sign and Submit your logbook by clicking on the “Certify” button in the lower right corner of the log graph, verifying all information in your logs are correct for that day. The Log is signed once your name, date and time appears in the bottom right corner.

Certified by Pedigree Trainer at Fri 06 Jan 2017 11:31 AM

EDIT LOG BOOK

To edit a record:

- 1. Tap on any status dot  to bring up the edit menu **OR**
- 2. Tap on any line or edit pencil in the table below the graph to edit

Monday, October 3, 4:00 PM

Status

On Duty, Not Driving

>

Time

4:00 PM

>

Location

3.1 mi. SSE of West Fargo, ND

>

Odometer

None

>

Shipping Document Number

853646

>

Carrier

Your Company

>

Team Driver(s)

None

>

Tractor

Mack 34WP

>

Trailer

TRL-05 Flatbed

>

Notes

None

>

Split...

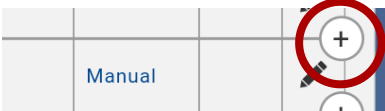
3. Edit a record by tapping on the menu item that needs to be adjusted. (Only items with an arrow icon can be edited.)

4. After editing any item, you will be prompted to make a note before you can save the edit.

Time *cannot* be updated in this way. If you need to insert a record at a different time, use the split button at the bottom of this menu or the (+) symbol in the log table below the graph to insert a new record at that time.

To insert a new or missing record:

1. Tap on **Split** from the edit menu or **(+)** on the log table.



- 2. Enter the new time for the inserted record
- 3. Enter the new status and tap OK.

4. Enter a note for this record.

Pedigree Trainer

Time (CST)

What would you like the time to be for the inserted record?

Thu 05 Jan 2017 06:00 P

Cancel

Ok

Pedigree Trainer

Status

What would you like the status to be for the inserted record?

Rest Break Limit

0:00 Remaining 8:46 AM

On-Duty Limit

0:00 Remaining 8:46 AM

Driving Limit

7:24 Remaining 4:10 PM

Period Limit

Cancel

Ok

On Duty, Not Driving

Off Duty

Personal Use of CMV

Sleeper Berth

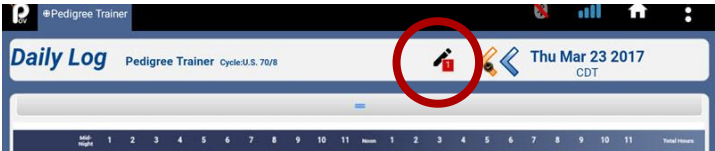
Driving

SUGGESTED EDITS

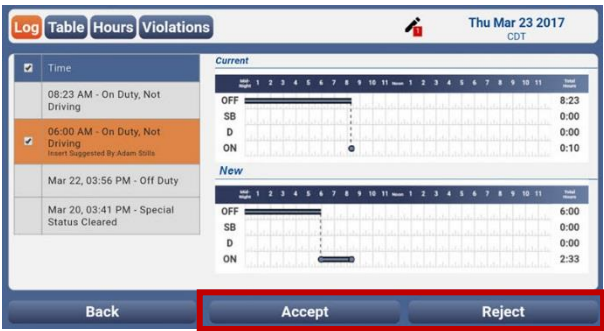
The motor carrier may suggest edits to a driver’s records of duty status to ensure accuracy. A driver must approve or reject any suggested edits in order for any motor carrier-suggested changes to take effect. If an HOS manager suggests an edit for your logbook, there will be an edit icon on your logbook tab and next to the date on your logbook page.



- 1. Tap on the **Suggested Edit** icon on your log book page.



- 2. Check or uncheck each suggested edit to view how they affect your log, hours of service, and/or violations. *(See different view options below)*
- 3. **Accept or Reject Edits**



Log View to see your **Current** log graph compared to a **New** graph showing the suggested edits.

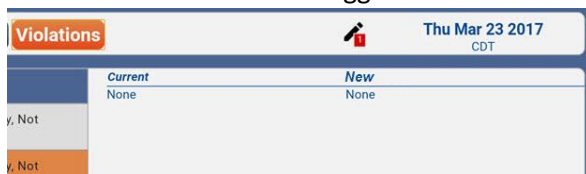
Table View – see original (crossed out) and suggested edits in the table view.



Hours View – See **Current** hours and **New** hours after the suggested edits.



Violations View – see **Current** Hours of Service violations and **New** violations that would exist after the suggested edits.



UNIDENTIFIED RECORDS

The ELD must track operation of a CMV in an “Unidentified Driver” account if no driver has logged into the ELD. A driver must review any unidentified records present on the ELD and accept records that belong to them. Records that do not belong to the driver will remain on the ELD and sync back to OneView where the motor carrier must ensure that the unidentified records are assigned to the appropriate driver.

Drivers can assume records that belong to them and ignore records that do not.

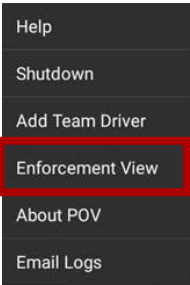
1. Tap on the Unidentified Records icon from the top of your logbook page.



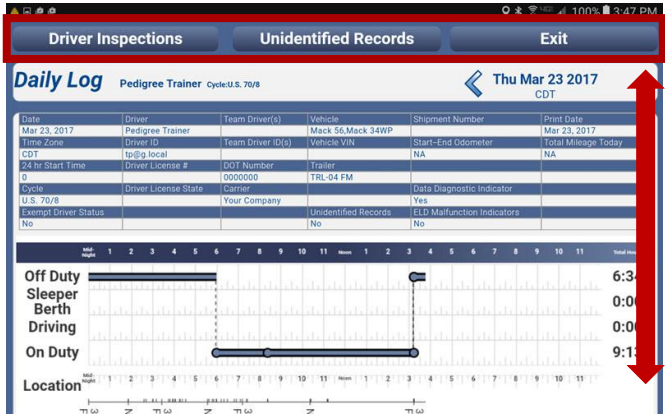
2. The process will work just like Suggested Edits to accept or reject Unidentified Records. (See page 15.)

ENFORCEMENT VIEW

When stopped by a DOT official, using Enforcement view allows the officer the scroll through your log book and see your last inspection and unidentified records.



1. To access **Enforcement View**, tap on the 3 dots button and then Enforcement View. The officer can scroll through each day on the tablet and scroll down below the graph to look at the driver's log table. Use the buttons at the top to view Driver Inspections, Unidentified Records or exit.



2. In **Driver Inspections**, you will see the driver's last inspection results.





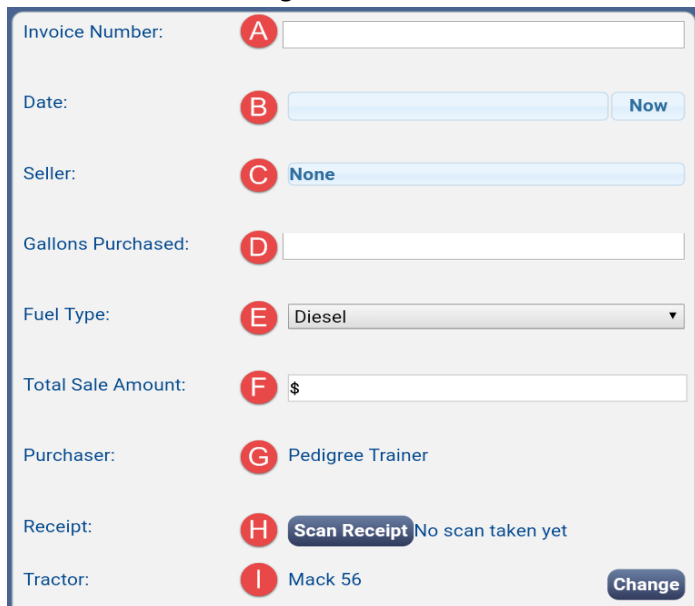
3. Tap **Unidentified Records** to view any unidentified records on this tablet.



4. Tap the **Driver's Logs** to go back to the Log Book view.
5. Use the **exit** button to return to normal use of POV.
6. Enter your password to unlock from Enforcement View.

FUEL RECIEPTS

1. Select 
2. Then tap on 
3. Fill out the following fields:



The screenshot shows a 'Fuel' form with the following fields and labels:

- A** points to the 'Invoice Number' text input field.
- B** points to the 'Date' field, which includes a date/time picker and a 'Now' button.
- C** points to the 'Seller' dropdown menu, which currently shows 'None'.
- D** points to the 'Gallons Purchased' text input field.
- E** points to the 'Fuel Type' dropdown menu, which currently shows 'Diesel'.
- F** points to the 'Total Sale Amount' field, which includes a dollar sign and a text input field.
- G** points to the 'Purchaser' field, which shows 'Pedigree Trainer'.
- H** points to the 'Receipt' section, which includes a 'Scan Receipt' button and the text 'No scan taken yet'.
- I** points to the 'Tractor' field, which shows 'Mack 56' and a 'Change' button.

- Invoice Number:** Place the receipt number in this field. (optional)
- Date:** Select the date and time the fuel was purchased. Tap in this section and it allows you to change the date and time.
- Seller:** Tap to enter the name and location where fuel was purchased. If the seller's name does not appear, drivers can tap on the blue pin with the red '+' and it will allow you to type in the location information.
- Gallons Purchased:** Number of gallons purchased
- Fuel Type:** The type of fuel purchased.
- Total Sale Amount:** The total sale price of the fuel.
- Purchaser:** Name of the driver who made the fuel purchase. (should be automatically filled out)
- Receipt:** Tap on Scan Receipt and the tablet's camera will activate. This allows you to take a picture and attach to this fuel record. (optional)
- Tractor:** Shows the current tractor. Can be changed if this fuel was purchased for a different tractor.





BLUETOOTH/ESTABLISHED CONNECTION



If your vehicle has an established connection to your vehicle via Bluetooth, you'll see the blue Bluetooth icon.



If your Bluetooth is not connected or loses connection, the icon will look gray with a red slash through it.



MDT devices will not have the Bluetooth symbol, they will have a cable icon that will be blue when the device is secure in the cradle and the vehicle ignition is on.



When the MDT device is out of the cradle or when the vehicle ignition is off, the cable icon will be gray with a red slash.

NETWORK CONNECTIVITY



The network connectivity icon will show at a glance if you have a data connection. If it is completely blue, you have connection.



If you have no data service, the network connectivity icon will have a red slash through it and include the number of ELD records waiting to sync as soon as you have a data connection.

MESSAGES



The message icon will appear when you have unread messages. To read your messages, tap on the messages button from your homescreen.

HOMESCREEN



Tap on the Home icon to return to your home screen.

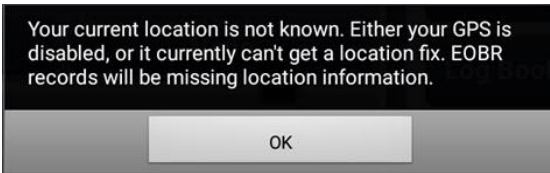
NOTIFICATION ICON



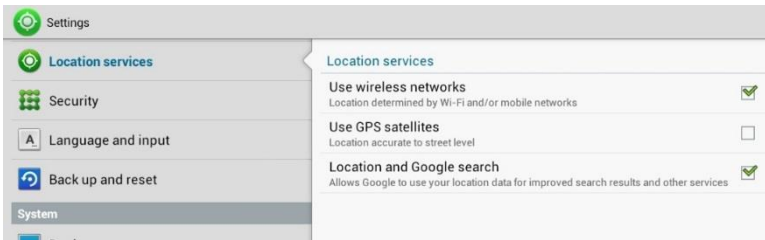
What should I do if I see this icon?

Tap to review the message on the tablet (for definitions of ELD Malfunctions & Data Diagnostics, see page 23).

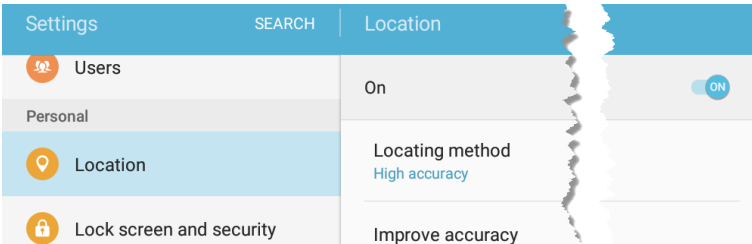
1. **GPS** is not working on the tablet. Follow the steps below to fix:
 - a. Select the **icon in the upper right corner** of the tablet.
 - b. The following screen will appear and tap on **“OK”**



- c. Next, place a check mark in the box next to **Use GPS satellites**.



- d. Or make sure your Location Method is set to High Accuracy



- e. To move back to the POV application, use the **“Back Button”**



or



- f. If all Location Services are **“On”** and the notification is still present, this means the tablet is unable to make a GPS connection. This generally means the tablet does not have direct visibility to the sky. (i.e. Inside a building or even in the back seat of a truck)
 - g. If issues persist, please reboot the tablet.
 - i. Power Off
 - ii. Power On

- 2. **HOS Violation.** Follow the steps below to fix:
 - a. Click on the Status tab and review limits.
 - b. Select the logbook tab on the right side of the POV and review logs.
- 3. **No ECU data.** Verify the truck ECU cable is connected or the MDT device is securely locked in its cradle. If this issue persists, contact Support. **NOTE:** *Pedigree Support number can be found on the back cover of this book.*

ABOUT MENU



Use the 3 dots icon to access this menu for a shutdown button, add team driver, Enforcement View, Email logs, and About POV and Email Logs.

Help

Shutdown

Add Team Driver

Enforcement View

About POV

Email Logs

Help: Find interactive tutorials on all the features of POV. These tutorials use data and it is recommended to watch them while on a WiFi connection if your device is not on an unlimited data plan.

Logging In

Logbook

Status

Inspections

Fuel Records

Messages

POV Menu

Start of Day

End of Day

POV Instruction Booklet PDF

Back

Shutdown: Emergency shutdown if circumstances require. *Not meant for logging out or closing the app.*

Add Team Driver: See Team Driver section on page 11

Enforcement View: See Enforcement View section on page 15

About POV: See the support email and telephone number and POV version

Email Log Book

Email Address:

Duration: Last 7 days and today

Include ELD Data File: ☒

File Comment:

Close

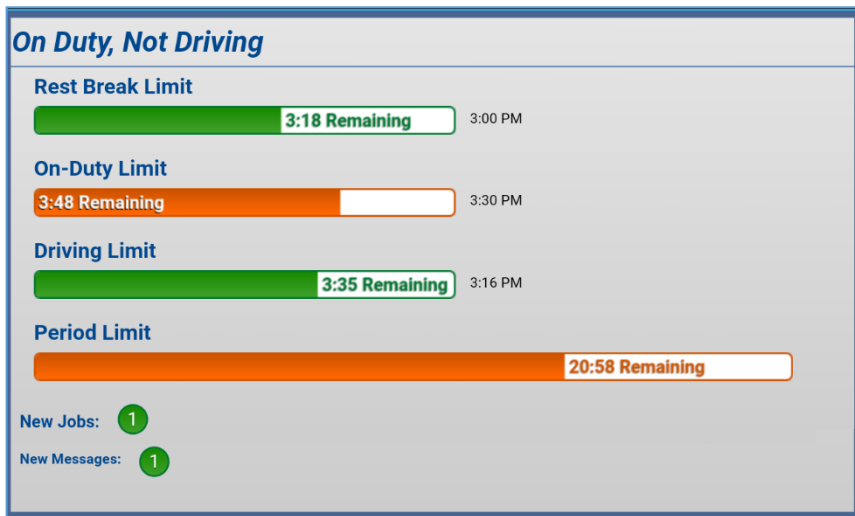
Send Email

Email Logs: Send your logs and ELD data file by email. Choose the duration and the recipient will receive a pdf of your logs plus the ELD data file if the box is checked. Enter a File Comment as requested by law enforcement. Tap Send Email to send.

TROUBLE SHOOTING

- **Why can't I close POV when the truck is moving?**

The tablet is designed to lock as soon as the truck starts moving. POV will be the only app that will display while the truck is moving with the exception of GPS navigation (if it was started before the truck began moving). During that time, you will not be able to close out of POV. It is the only app which should be running to ensure hours of service are being recorded. Drivers will see this screen:



- **What happens if I forget to switch my status to driving?**


As long as POV is properly connected to the vehicle via Bluetooth or locked in the cradle if using the wired MDT, your status will automatically switch to Driving after the vehicle reaches 5 mph.

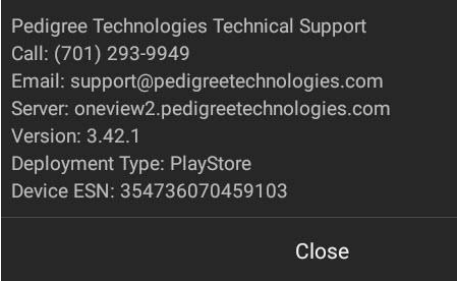
- **What happens if I stop, get out of my truck and forget to switch my status?**

If the truck is not moving for 5 minutes or more, the POV will ask to switch the status to On Duty, Not Driving and will automatically make the switch after 1 minute without response. This is the only status it will automatically switch to when the vehicle stops moving. If the driver needs to be in Sleeper Berth or Off Duty these are manual status changes they will have to make.

NOTE: Please see page 8 if you need help with how to change statuses.

- **How do I check what version of POV is on my tablet?**

To check what version of POV is installed, open the POV app. Tap on the 3 white dots  in the upper right corner of the screen. Select “About POV” and the screen will display the version.



- **How often do I need to use my tablet?**

Drivers must interact with the tablet throughout the day, every day. This ensures statuses are recorded correctly and the vehicle is always connected.

ELD MALFUNCTIONS

In case of an ELD malfunction, a driver must do the following:

- (1) Note the malfunction of the ELD and provide written notice of the malfunction to the motor carrier within 24 hours;
- (2) If the ELD records are not retrievable from the ELD, reconstruct the record of duty status for the current 24-hour period and the previous 7 consecutive days.
- (3) Manually prepare a record of duty status until the ELD is serviced and no longer malfunctioning.

ELD MALFUNCTION CLEARING

ELD Malfunctions will clear automatically when the parameters that caused the malfunction no longer exist, however the Positioning Compliance Malfunction, Power Compliance Malfunction, and Engine Synchronization Malfunction can be cleared manually by the driver by tapping the clear button. Driver will be prompted to enter reason for clear (what they did to fix it?) *(See image at the end of this section.)*

ELD MALFUNCTION LIGHTS

Note: CabMate Open uses a circular malfunction light; CabMate Connect uses a light built into the cradle dock.

Flashing Red: Tablet not in dock (CabMate Connect Only)

Flashing Green: Not connected or not logged into ELD

Solid Red: ELD Malfunction Active

Solid Green: ELD Data Diagnostic Active

MALFUNCTION AND DATA DIAGNOSTIC EVENTS DEFINITIONS

Power Data Diagnostic: The ELD was not able to power up within one minute of engine power up. Check the device connections are not loose. If this issue persists, contact your administrator.

Power Compliance Malfunction: The ELD was not functional for more than 30 minutes over the last 24 hours. Check the device connections are not loose. If this issue persists, contact your administrator.

Engine Synchronization Data Diagnostic: The ELD is not receiving data from the engine. Check that the Bluetooth is connected (or if using CabMate Connect check that the tablet is in its cradle) and the diagnostic cable is connected to the vehicle. If this issue persists, contact your administrator.

Engine Synchronization Compliance Malfunction: The ELD did not receive data from the engine for more than 30 minutes over the last 24 hours. Check that the Bluetooth is connected (or if using CabMate Connect check that the tablet is in its cradle) and that the diagnostic cable is connected to the vehicle. If this issue persists, contact your administrator.

Other Data Diagnostic (for Positioning Compliance): The ELD is not receiving GPS location. Check that the GPS is ON in this device, the vehicle antenna is not damaged and connections are tight. If this issue persists, contact your administrator.

Positioning Compliance Malfunction: The ELD did not receive GPS location for more than 60 minutes over the last 24 hours. Check that the GPS is ON in this device, the vehicle antenna is not damaged and connections are tight. If this issue persists, contact your administrator.

Timing Compliance Malfunction: The ELD time is off by more than 10 minutes. If this issue persists, contact your administrator.

Missing Required Data Elements Data Diagnostic: The ELD is missing required data for creating ELD records. Check Engine Synchronization and Positioning Compliance. If this issue persists, contact your administrator.









Data Recording Compliance Malfunction: The ELD has reached its storage capacity and can no longer record ELD records. Reduce the data stored on the ELD or replace the ELD. If this issue persists, contact your administrator.

Unidentified Driving Records Data Diagnostic: The ELD has recorded more than 30 minutes’ worth of unidentified driving records in the last 24 hours. Ensure that drivers are logged into the ELD while the vehicle is in motion and accept any unidentified records that may belong to you. If this issue persists, contact your administrator.







Data Transfer Compliance Malfunction: The ELD test of data transfer to the FMCSA via web services and email has failed for an extended period of time. Ensure that the ELD data connection is working. If this issue persists, contact your administrator.

Data Transfer Data Diagnostic: The ELD test of data transfer to the FMCSA via web services and email has failed. Ensure that the ELD data connection is working. If this issue persists, contact your administrator.

Malfunctions:

Please note the following issues	
 Positioning Compliance Malfunction	<button>Clear</button>
 Power Compliance Malfunction	<button>Clear</button>
 Engine Synchronization Malfunction	<button>Clear</button>
 Timing Compliance Malfunction	
 Low battery	
 Data Transfer Malfunction	
 Other Malfunction	
 Data Recording Compliance Malfunction	

Diagnostic Events

Please note the following issues	
 Data Transfer Diagnostic	
 Missing Required Data Diagnostic	
 Unidentified Driving Records Diagnostic	
 Power Diagnostic	
 Other Diagnostic	
 Engine Synchronization Diagnostic	



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